## IN THE CLAIMS:

The following is a complete listing of the claims having the status as indicated:

- (Currently Amended). A formulated resin component for use in a
  polyurethane spray foam system to produce a polyurethane foam having a density of less
  than I pound per cubic foot, said resin component comprising:
  - a blowing agent:
- a first polyol <u>present in an amount of from 5 to 25 parts by weight based</u> on 100 parts by weight of said resin component and having a number-average molecular weight of from 150 to 500 and having a hydroxyl number of from 250 to 1000 and having at least tetra-functionality;
- a second polyol having a number-average molecular weight of from 3500 to 8000 and having a hydroxyl number of from 20 to 100 and having terminal hydroxyl groups; and
- a curing component present in an amount of from 2 to 15 parts by weight based on 100 parts by weight of said resin component and comprising a polyether amine third polyel—having at least one primary amine group, [[a]] an equivalent hydroxyl number of from 20 to 800, and a number-average molecular weight of from 150 to 5000.
  - 2. (Cancelled).
- (Original). A resin component as set forth in claim 1 wherein said curing component is present in an amount of from 5 to 12 parts by weight based on 100 parts by weight of said resin component.
- (Original). A resin component as set forth in claim 1 wherein said curing component has a number-average molecular weight of from 250 to 2500.

(Cancelled).

6. (Currently Amended). A resin component as set forth in claim 1

wherein said curing component has [[a ]]an equivalent hydroxyl number of from 30 to

450.

7. (Cancelled).

8. (Currently Amended). A resin component as set forth in claim 1

wherein said polyether amine third polyol-is further defined as [[a ]]tri-functional polyol

having three primary amine groups.

9. (Currently Amended). A resin component as set forth in claim 1

wherein said polyether amine third polyol-is further defined as [[a ]]di-functional polyol

having two primary amine groups.

10. (Original). A resin component as set forth in claim 1 wherein said first

polyol is further defined as an amine-initiated polyol.

11. (Original). A resin component as set forth in claim 1 wherein said first

polyol is further defined as an aliphatic polyol.

12. (Cancelled).

13. (Original). A resin component as set forth in claim 1 wherein said first

polyol is present in an amount of from 10 to 20 parts by weight based on 100 parts by

weight of said resin component.

14. (Currently Amended). A resin component as set forth in claim 1

wherein said first polyol has a number-average molecular weight of from 250 to

500[[550]].

15. (Cancelled).

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16. (Original). A resin component as set forth in claim 1 wherein said first

(Original). A resin component as set forth in claim 1 wherein said

polyol has a hydroxyl number of from 400 to 825.

second polyol is present in an amount of from 5 to 25 parts by weight based on 100 parts

by weight of said resin component.

18. (Original). A resin component as set forth in claim 1 wherein said

second polyol is present in an amount of from 10 to 20 parts by weight based on 100 parts

by weight of said resin component.

19. (Original). A resin component as set forth in claim 1 wherein said

second polyol has a number average molecular weight of from 4000 to 7500.

(Cancelled).

21. (Original). A resin component as set forth in claim 1 wherein said

second polyol has a hydroxyl number of from 20 to 60.

22. (Original). A resin component as set forth in claim 1 wherein said

second polyol is further defined as a triol.

23. (Original). A resin component as set forth in claim 1 wherein said

second polyol is further defined as a diol.

24. (Original). A resin component as set forth in claim 1 further

comprising additives selected from at least one of a catalyst, an emulsifier, a surfactant,

and a flame retardant.

25. (Original). A resin component as set forth in claim 1 wherein said

blowing agent is further defined as water and is present in an amount of from 15 to  $40\,$ 

parts by weight based on 100 parts by weight of said resin component.

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26. (Currently Amended). A polyurethane foam that is produced from a

polyurethane spraying system, is open-celled, and has a density of less than 1 pound per

cubic foot and low water absorption, said polyurethane foam being the reaction product

of:

a) a resin component comprising;

a blowing agent,

a first polvol used in an amount of from 5 to 25 parts by weight

based on 100 parts by weight of said resin component and having a number-average

molecular weight of from 150 to 500 and having a hydroxyl number of from 250 to 1000

and having at least tetra-functionality,

a second polyol having a number-average molecular weight of

from 3500 to 8000 and having a hydroxyl number of from 20 to 100 and having terminal

hydroxyl groups, and

a curing component used in an amount of from 2 to 15 parts by

weight based on 100 parts by weight of said resin component and comprising a polyether

amine third polyol-having at least one primary amine group, [[a]]an equivalent hydroxyl

number of from 20 to 800, and having a number-average molecular weight of from 150 to

5000, and

b) an isocyanate component comprising diphenylmethane

diisocyanate;

wherein said a) and b) are reacted in a volumetric ratio having an

isocyanate index of from 15 to 70.

(Original). A polyurethane foam as set forth in claim 26 wherein said
 a) and b) are reacted in a volumetric ratio having an isocvanate index of from 25 to 60.

28. (Original). A polyurethane foam as set forth in claim 26 wherein said polyurethane foam has a water absorption of less than 10 percent by volume of said polyurethane foam

29. (Original). A polyurethane foam as set forth in claim 26 wherein said polyurethane foam has a water absorption of less than 5 percent by volume of said polyurethane foam.

30. (Cancelled).

 (Original). A polyurethane foam as set forth in claim 26 wherein said curing component has a number average molecular weight of from 250 to 2500.

(Cancelled).

33. (Cancelled).

 (Original). A polyurethane foam as set forth in claim 26 wherein said first polyol is further defined as an aliphatic, amine-initiated polyol.

35. (Cancelled).

36. (Original). A polyurethane foam as set forth in claim 26 wherein said second polyol is used in an amount of from 5 to 25 parts by weight based on 100 parts by weight of said resin component.

 (Original). A polyurethane foam as set forth in claim 26 wherein said second polyol is further defined as a triol.

 (Original). A polyurethane foam as set forth in claim 26 wherein said second polyol is further defined as a diol. 39. (Currently Amended). A method of forming a polyurethane foam from a polyurethane spraying system, wherein the polyurethane foam has a density of less than 1 pound per cubic foot and low water absorption, said method comprising the steps of:

providing a) a resin component including a blowing agent, a first polyol present in an amount of from 5 to 25 parts by weight based on 100 parts by weight of said resin component and having a number-average molecular weight of from 150 to 500, having a hydroxyl number of from 250 to 1000, and having at least tetra-functionality, a second polyol having a number-average molecular weight of from 3500 to 8000, having a hydroxyl number of from 20 to 100, and having terminal hydroxyl groups, and a curing component present in an amount of from 2 to 15 parts by weight based on 100 parts by weight of said resin component and comprising a polyether amine third-polyol-having at least one primary amine group, [[a]]an equivalent hydroxyl number of from 20 to 800, and having a number-average molecular weight of from 150 to 5000,

providing b) an isocyanate component comprising diphenylmethane diisocyanate; and

reacting a) and b) in a volumetric ratio of from 1:1.2 to 1:5 such that a) and b) are reacted having an isocyanate index of from 15 to 70.

- 40. (Original). A method as set forth in claim 39 wherein said step of reacting a) and b) is further defined as reacting a) and b) in a volumetric ratio of from 1:1.2 to 1:2 such that a) and b) are reacted having an isocyanate index of from 25 to 60.
- 41. (Original). A method as set forth in claim 39 wherein the step of reacting a) and b) is further defined as spraying a) and b).

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42. (Original). A method as set forth in claim 41 wherein the step of

spraying a) and b) is further defined as mixing a) and b) through a nozzle of a spray gun.

43. (Cancelled).

44. (Original). A method as set forth in claim 39 wherein the curing

component has a number average molecular weight of from 250 to 2500.

45. (Cancelled).

46. (Cancelled).